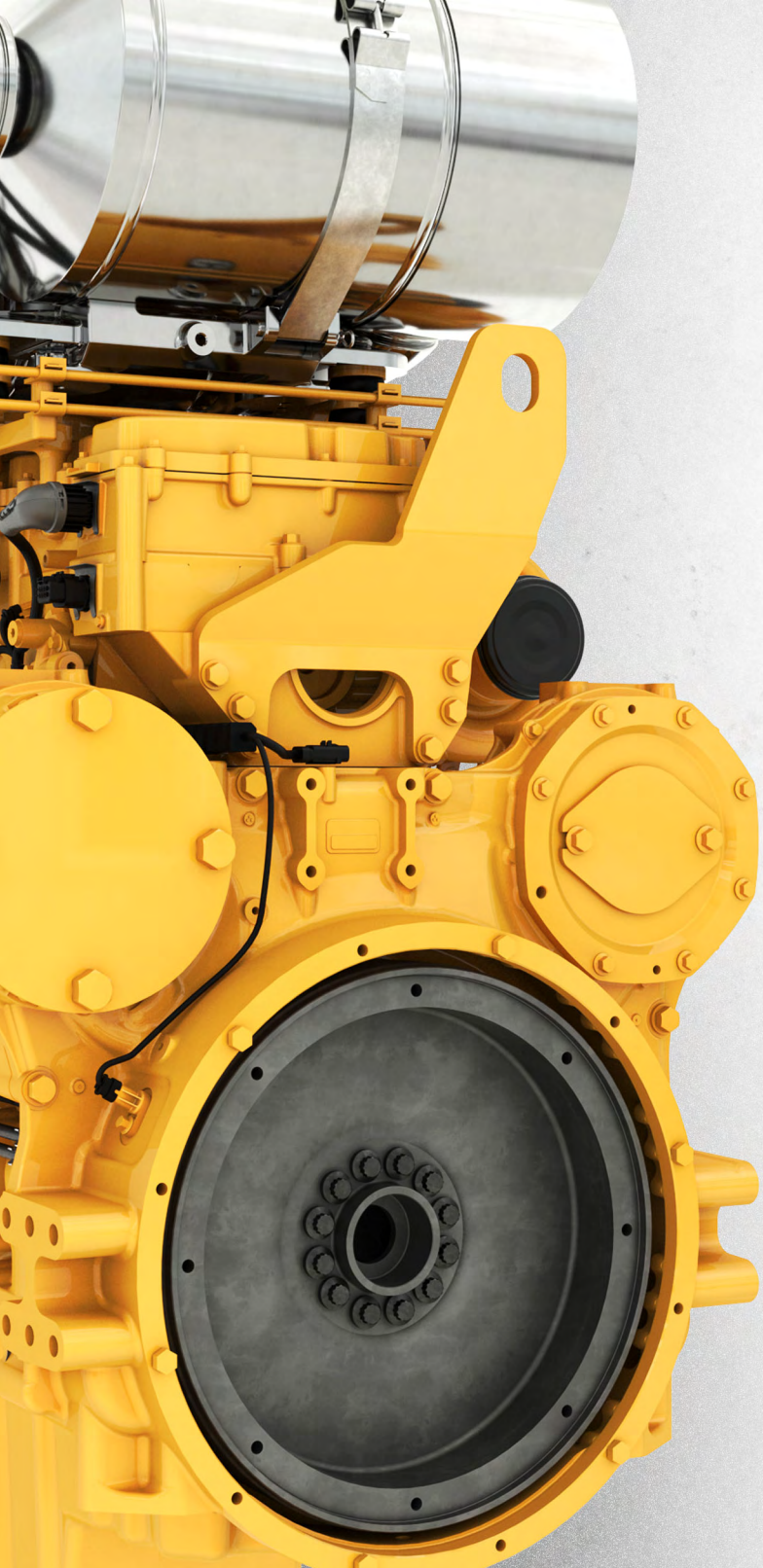




THE POWER HAS ARRIVED



» THE ALL-NEW **C13D** ENGINE IS HERE FOR YOU



340-515 kW (456-690 HP) THE NEW C13D ENGINE

The arrival of the **new Cat® C13D industrial engine** delivers a lot of power in a surprisingly compact package. Offering top-of-the-line power density and torque, lower (and easier) maintenance, greater fuel efficiency, longer service intervals and a whole lot more, this powerhouse of an engine is built with your work in mind.

 **WATCH THE VIDEO**
SEE THE NEW C13D IN ACTION

UNMATCHED POWER DENSITY, TORQUE AND PRODUCTIVITY

- > UP TO 20% INCREASE IN POWER
- > UP TO 25% MORE LOW-SPEED TORQUE VS. PREVIOUS GENERATIONS

EFFICIENT COMPACT POWER

- > SMALLER ENGINE PACKAGE OPTIMISES CHASSIS SPACE
- > LESS ENGINEERING TIME
- > LOWER INTEGRATION COSTS

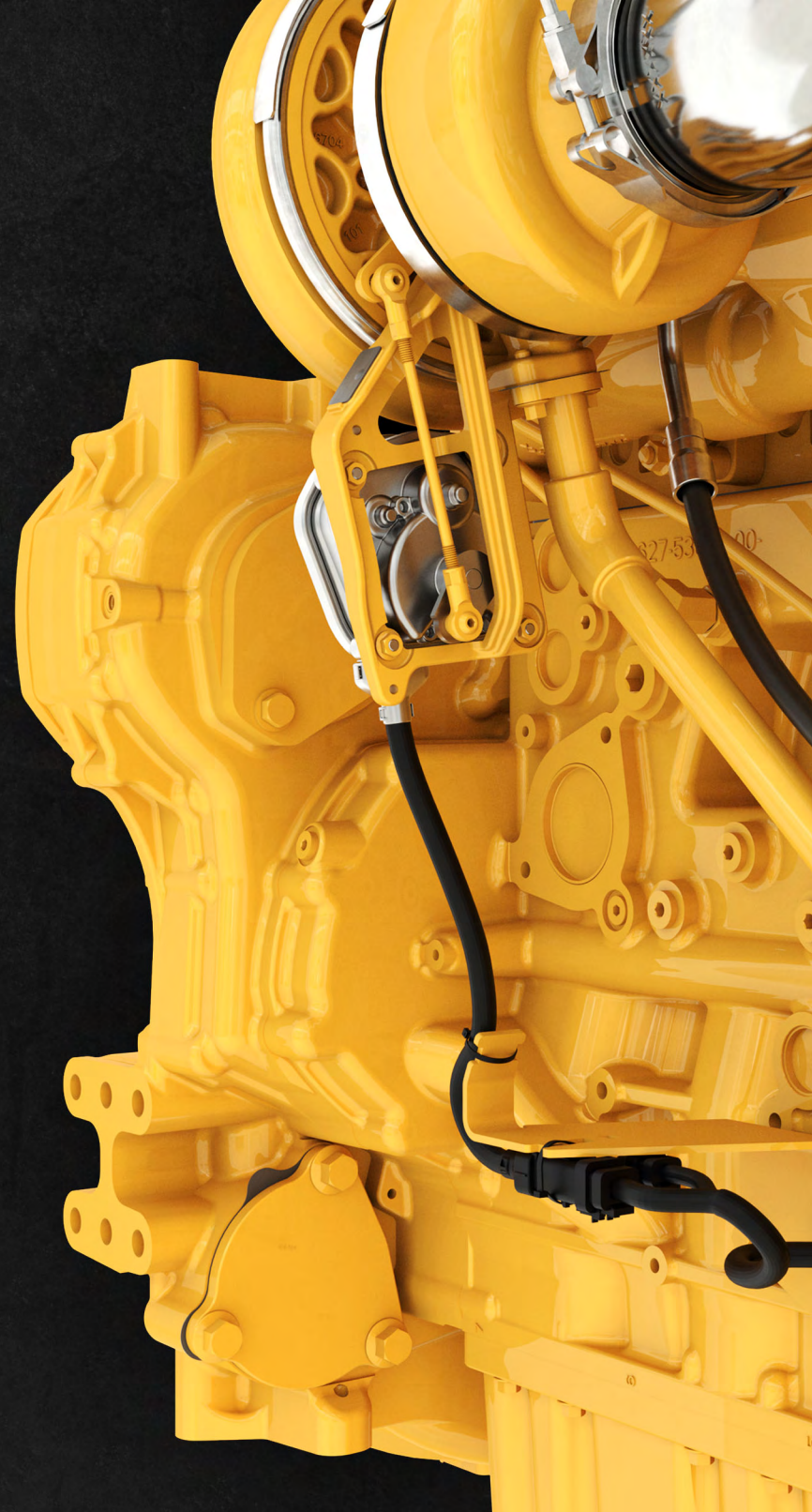
LESS MAINTENANCE AND LONGER SERVICE INTERVALS

- > UP TO 1,000-HOUR OIL AND FUEL CHANGE INTERVALS
- > EASIER MAINTENANCE VIA SERVICE-FRIENDLY DESIGN
- > LOWER FUEL AND FLUID CONSUMPTION
- > OPTIMISE FUEL CONSUMPTION TO AS LOW AS 185 g/kW-hr



INTRODUCING THE NEW STANDARD OF INDUSTRIAL POWER.

With **unmatched** power density, cost savings, lower maintenance and a longer lifespan, the new Cat® C13D engine is a compact, yet mighty, addition to the Cat engine lineup for all your industry needs.





MORE POWER. MORE TORQUE. MORE PRODUCTIVITY.

You've heard it already, but we're saying it again. The new Cat C13D engine gives you the power of three – all in one compact engine. With expanded power density and increased machine capacity, the applications are endless with the new C13D.

LESS DOWNTIME. MORE RUNTIME.

As you well know, runtime equals dollar signs, and that's good for your bottom line. Which is exactly why the C13D engine is engineered to run longer, with extended service intervals and less maintenance and upkeep. It's easier to maintain, too, up to 1,000 hours between service. All of this adds up to all-around lower owning and operating costs for you.

(COMPACT) SIZE MATTERS.

With the new Cat C13D engine, you get more power in a more compact package. That's by design. Because a smaller engine package means less impact on machine design, thus lowering engineering time and integration costs. Better yet, you don't sacrifice any power and performance along the way.

PROVEN DURABILITY IN AN EASY-INSTALLATION DESIGN.

From the integration to the jobsite applications, the C13D engine puts productivity on full display. While its easy-installation design makes for faster installs, the engine itself is engineered for extended time between overhauls with up to 23,000 hours based on running at full load.

LESS FUEL AND FLUID CONSUMPTION FOR YOUR BOTTOM LINE.

With your bottom line in mind, our engineers sought to develop an engine that offered lower fuel consumption, without sacrificing performance or productivity. The new C13D engine delivers exactly that – giving you unprecedented engine performance with unmatched fuel efficiency in one complete, compact package.

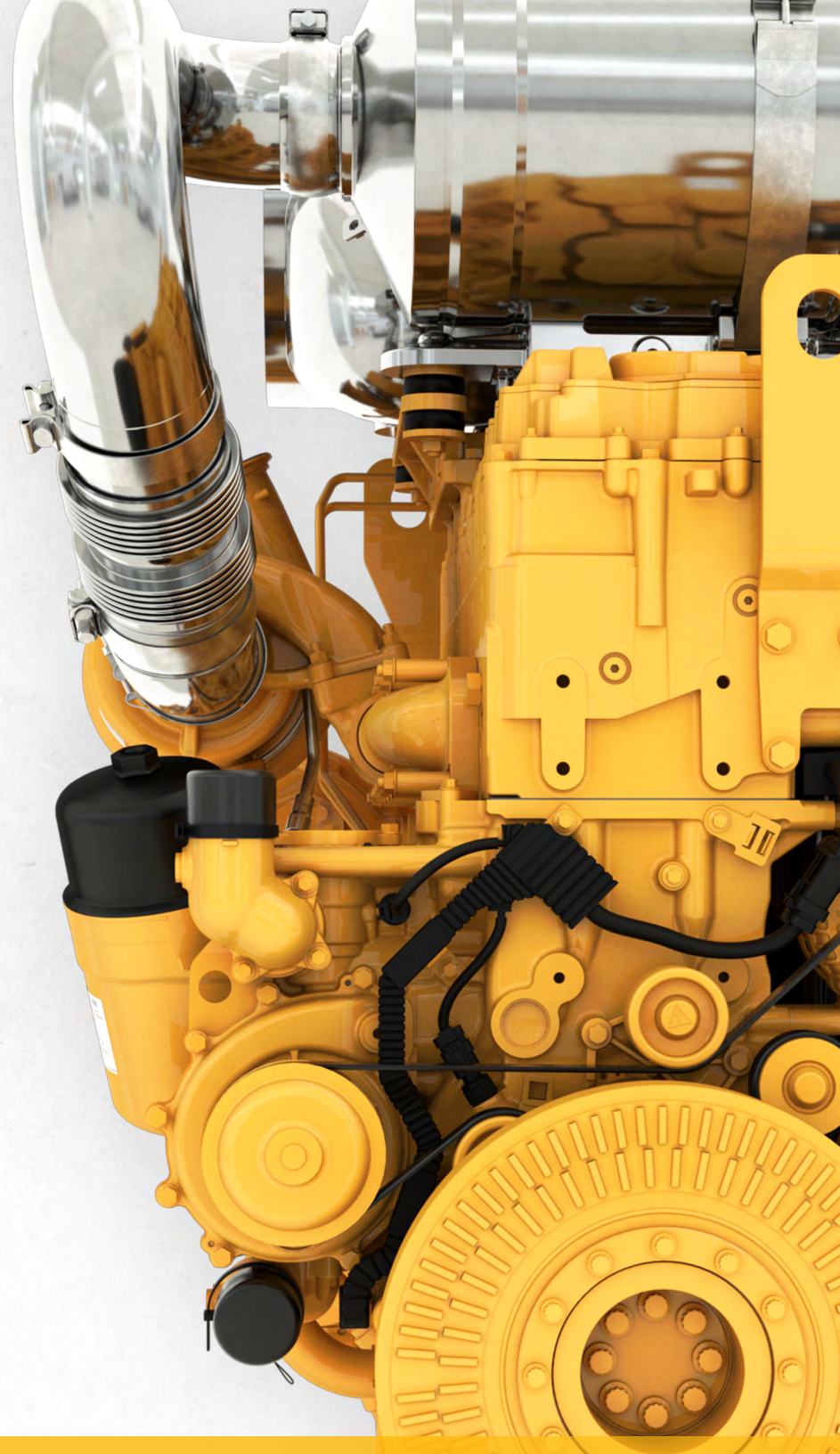
FORWARD-THINKING FUEL COMPATIBILITY AND EMISSIONS COMPLIANCE.

The C13D engine's futureproofed design is engineered to be compatible with a range of different fuel types, so you're well protected for future emissions regulations. Its platform also enables the use of renewable liquid fuels, such as B20 biodiesel blends and 100% hydrotreated vegetable oil (HVO), providing it meets specification EN15940.

THE C13D GIVES YOU ALL OF THAT AND THEN SOME. ALL IN ONE COMPACT ENGINE.

By now, you've gathered that the new Cat C13D engine comes packed with productivity-enhancing, timesaving and cost-cutting benefits and features. It's true, and there's even more where that came from.

- > More climate capable, enabling robust operation under extreme ambient and altitude conditions.
- > Less noise and vibration for more comfortable, quieter operating.
- > Streamlined systems for easier training and serviceability by consolidating three engines into one C13D.



SEE FOR YOURSELF

EXPLORE THE C13D ENGINE

+ CRANKCASE VENTILATION SYSTEM

+ AFTERTREATMENT SYSTEM

+ CORE ENGINE ARCHITECTURE

+ LOW-PRESSURE FUEL SYSTEM

+ HIGH-PRESSURE FUEL SYSTEM

+ ELECTRICAL SYSTEM

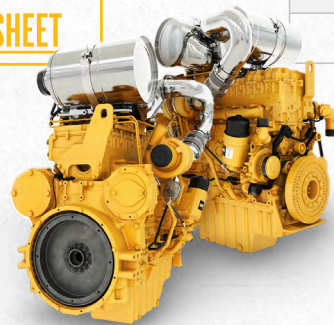
**TAKE THE FULL
VIRTUAL ENGINE TOUR**

Explore the **3D model** to get a first-hand look at the vast range of features the C13D engine brings to your equipment.

THE NEW CAT C13D ENGINE GIVES YOU ALL OF THIS,

ALL IN ONE COMPACT PACKAGE.

READ UP ON THE C13D IN DETAIL WITH THE [COMPLETE SPEC SHEET](#)



ENGINE SPECIFICATIONS

CYLINDERS	6 VERTICAL IN-LINE
DISPLACEMENT, L (in ³)	12.9 (787.2)
ASPIRATION	TURBOCHARGED-AFTERCOOLED
BORE AND STROKE, mm (in)	130 X 162 (5.1 X 6.4)
MAXIMUM POWER, kW (hp)	515 (690)
RATED SPEED, rpm	1800 – 2100
MAXIMUM TORQUE, Nm (lb ft) @ rpm	3200 (2360) @ 1300
COMBUSTION SYSTEM	DIRECT INJECTION
WEIGHT, kg (lb)	1154 (2544)
ROTATION (VIEWED FROM FLYWHEEL)	COUNTERCLOCKWISE

DIMENSIONS AND WEIGHT

LENGTH, mm (in)	1381 (54)
WIDTH, mm (in)	969 (38)
HEIGHT, mm (in)	1273 (50)
WEIGHT, kg (lb)	1154 (2544)

FOR MORE ON THE ALL-NEW CAT C13D ENGINE, SIMPLY CONTACT YOUR LOCAL CAT DEALER OR VISIT [CAT.COM/C13D](https://cat.com/c13d).

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